Common Misconceptions

1. The Dominant Allele is the most common allele.
   1. In fact dominance has nothing to do with **abundance**, that is the occurrence of an allele. It only refers to, when two different alleles are present in the same organism, which of the alleles will be expressed.
2. The darker or bigger allele is always dominant.
   1. Once again, not true. Dominance has nothing to do with if a trait would ‘swallow up’ another when compared on a phenotypic level (a dark colour would cover up a light one) despite the fact that sometimes this CAN be the case. For example, if a dominant allele codes for pigment, and a recessive allele codes for no pigment, often enough pigment will be made so that the one gene produces enough product for both.